FIG. 1

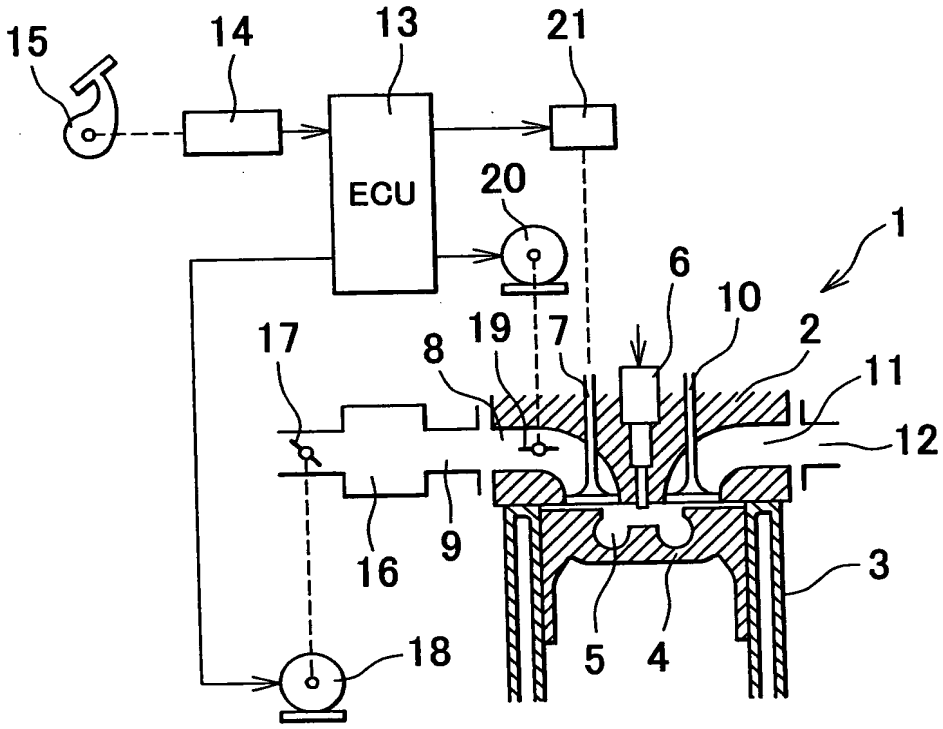

FIG. 2

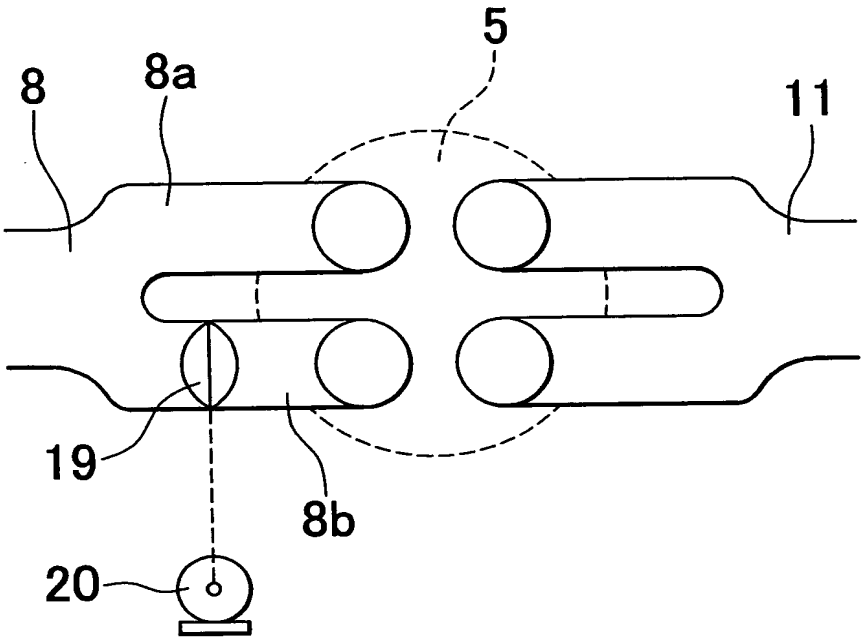

FIG. 3

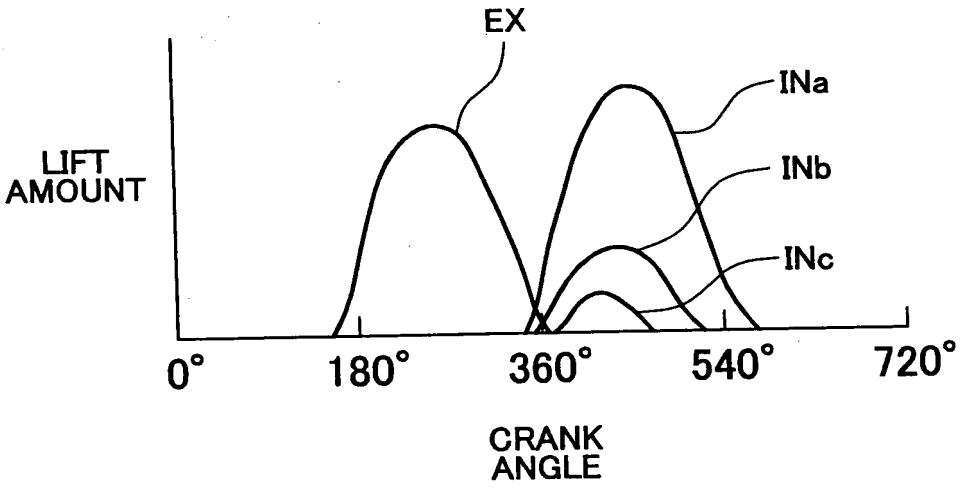

FIG. 4

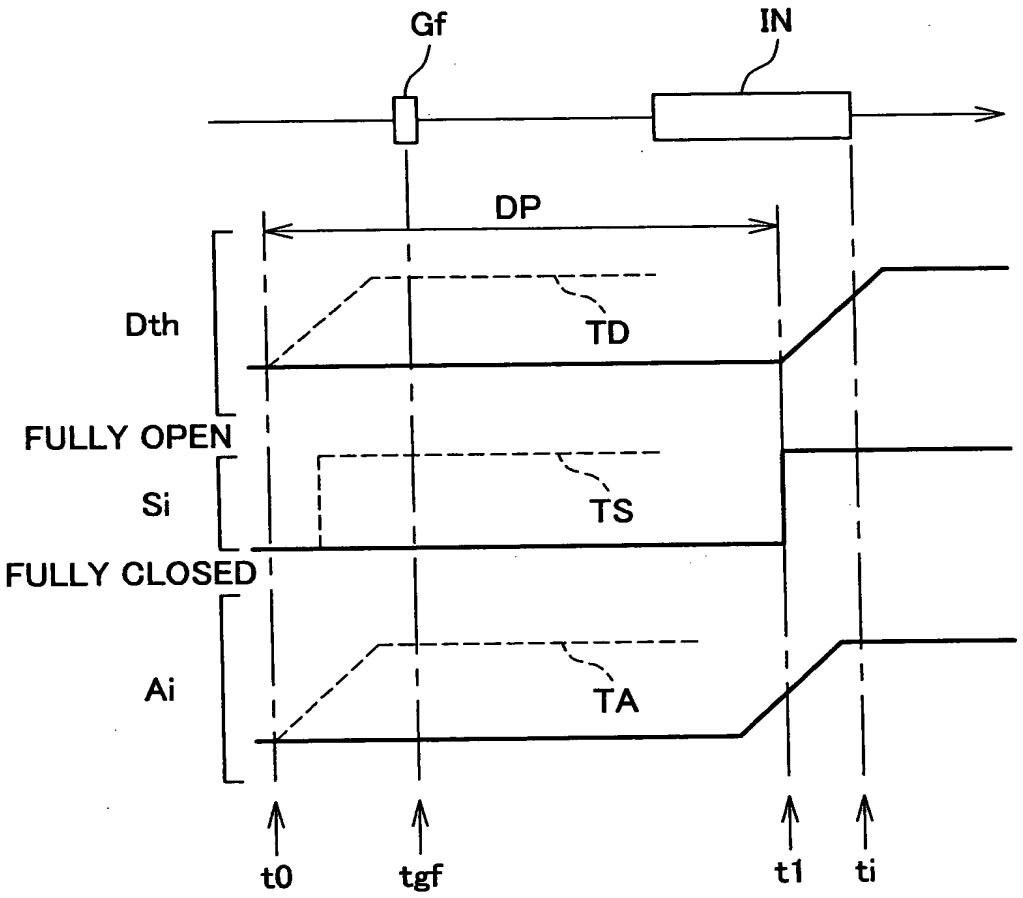

FIG. 5

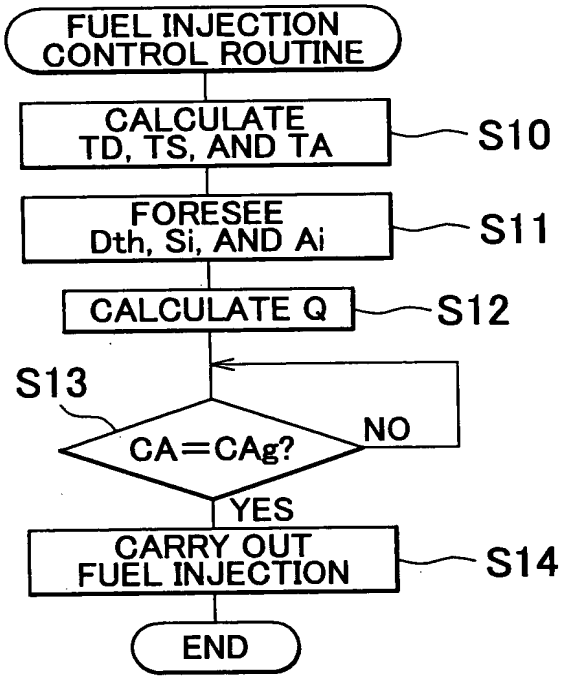
FUEL INJECTION CONTROL ROUTINE
CALCULATE TD, TS, AND TA
S10
FORESEE Dth, Si, AND Ai
S11
CALCULATE Q
S12
S13
CA=CAg?
NO
YES
CARRY OUT FUEL INJECTION
S14
END

FIG. 6

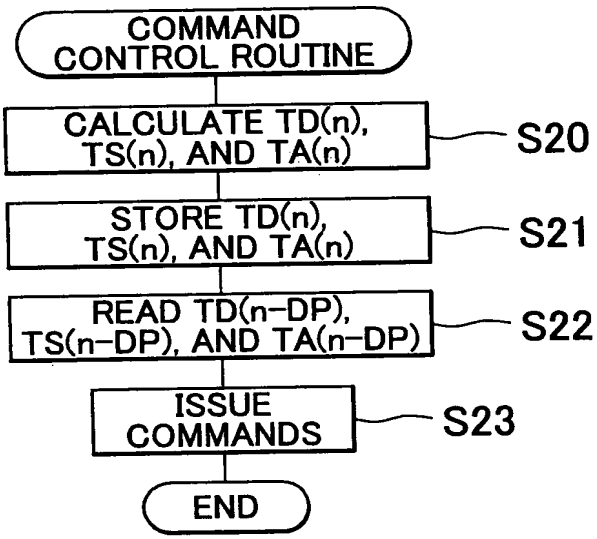
COMMAND CONTROL ROUTINE
CALCULATE TD(n), TS(n), AND TA(n)
S20
STORE TD(n), TS(n), AND TA(n)
S21
READ TD(n-DP), TS(n-DP), AND TA(n-DP)
S22
ISSUE COMMANDS
S23
END

FIG. 7

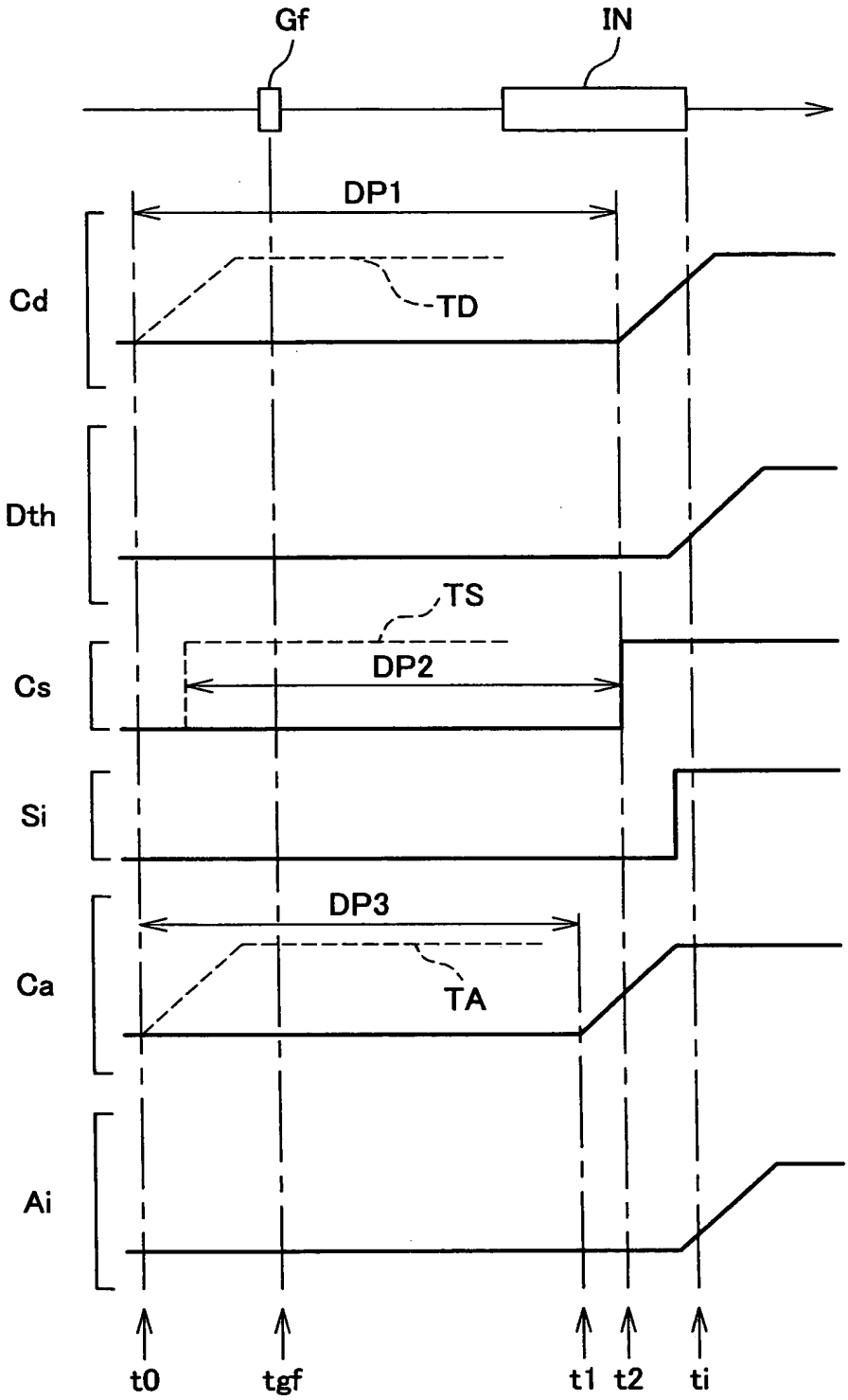

FIG. 8A

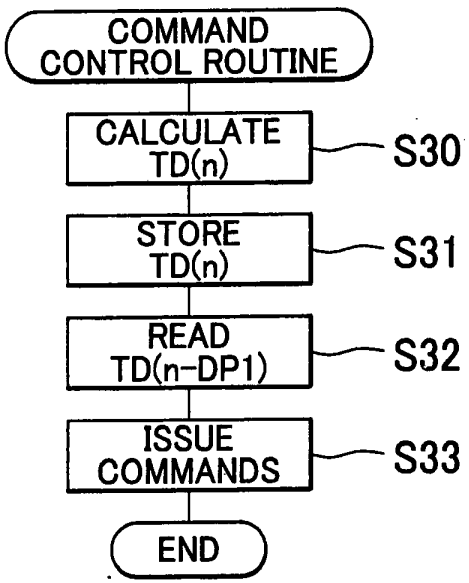

FIG. 8B

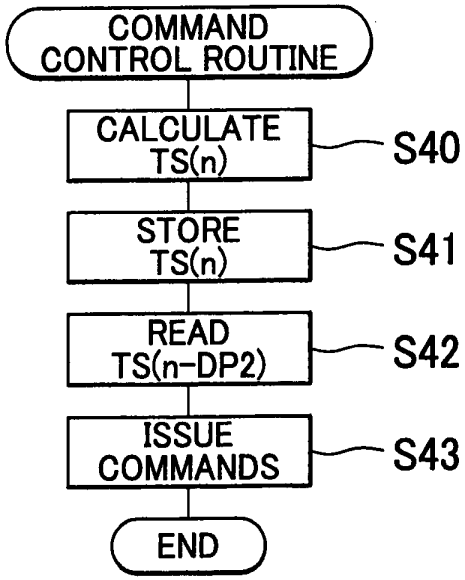
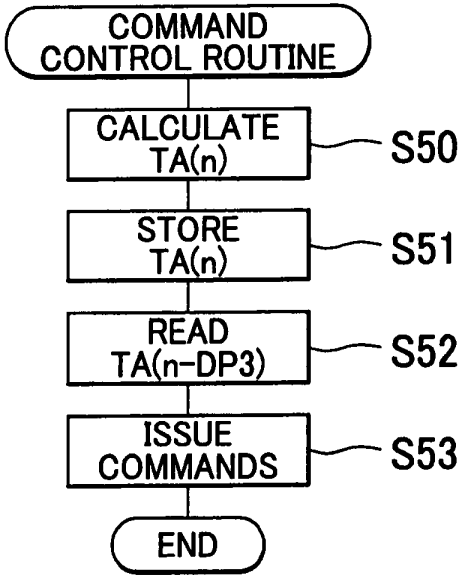
FIG. 8C